FIG.1

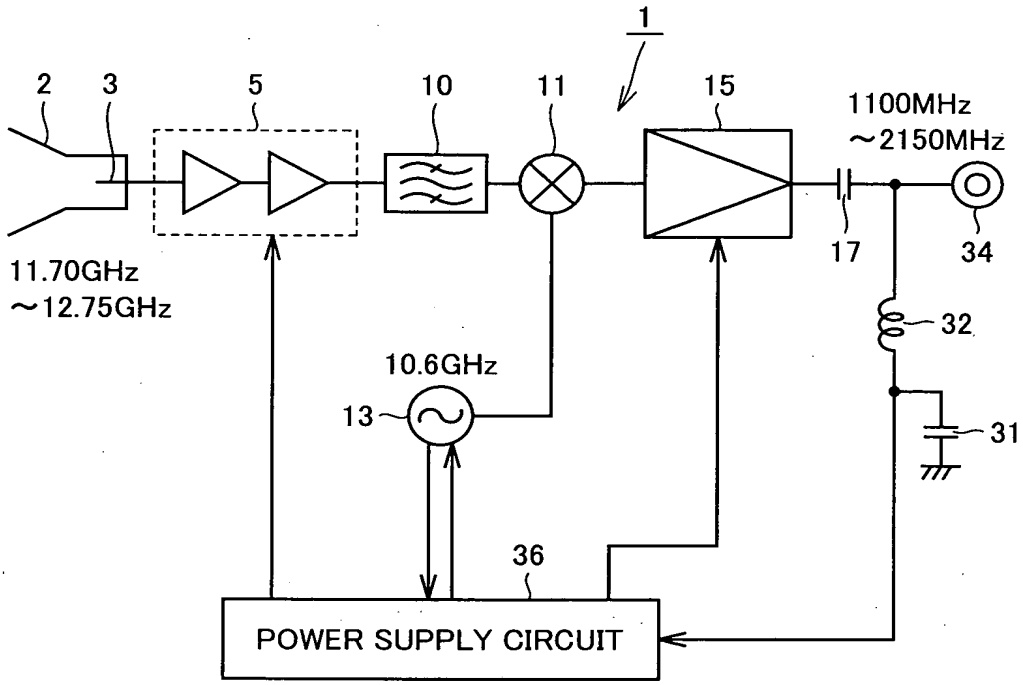

1
2
3
5
10
11
15
1100MHz
~2150MHz
11.70GHz
~12.75GHz
17
34
32
10.6GHz
13
31
36
POWER SUPPLY CIRCUIT

FIG.2

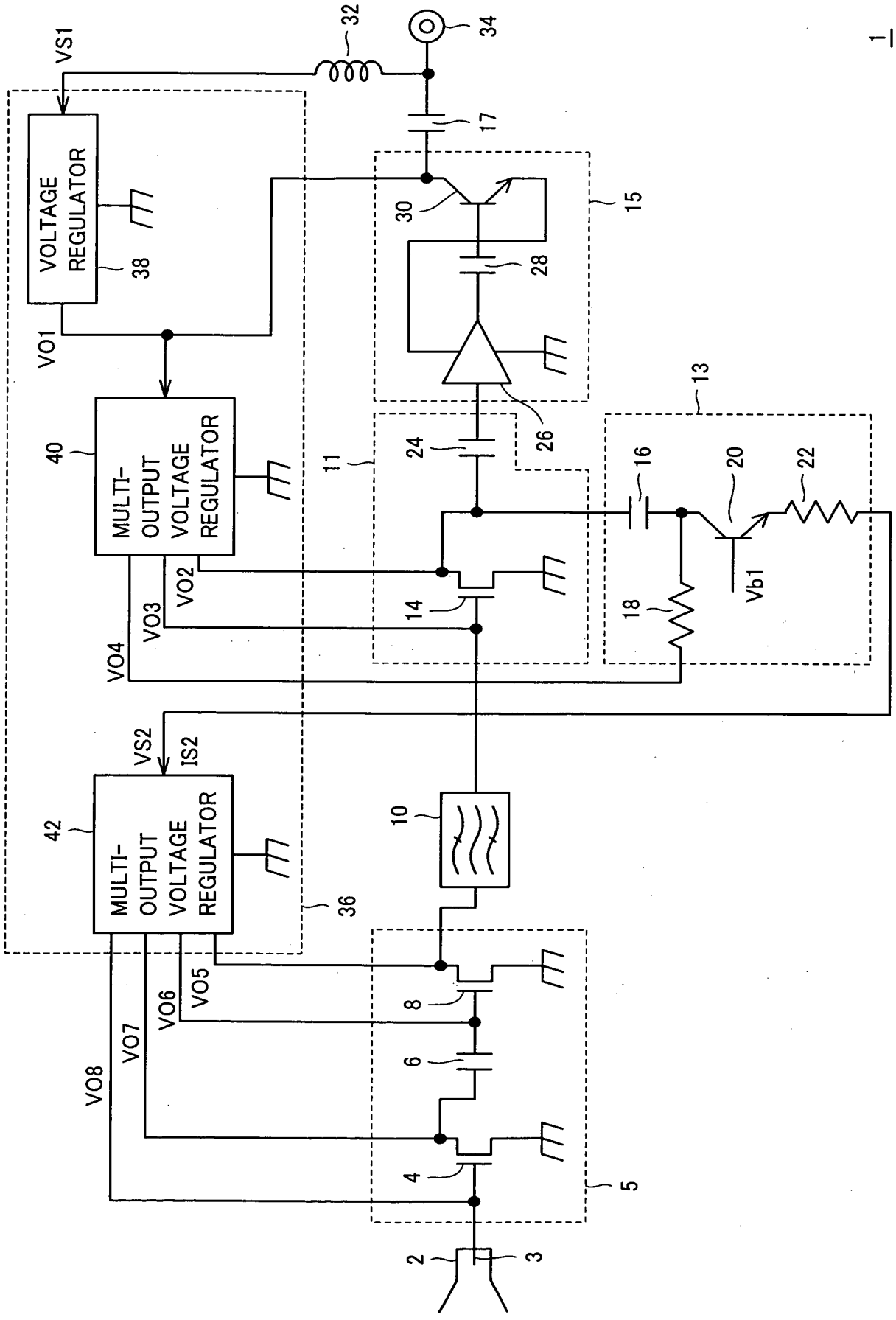

1
VS1
32
34
17
VOLTAGE REGULATOR
38
VO1
30
28
15
26
13
40
MULTI-OUTPUT VOLTAGE REGULATOR
11
24
16
20
22
VO2
VO3
14
18
Vb1
VO4
VS2
IS2
42
MULTI-OUTPUT VOLTAGE REGULATOR
10
36
VO5
VO6
VO7
VO8
8
6
4
5
2
3

FIG.3

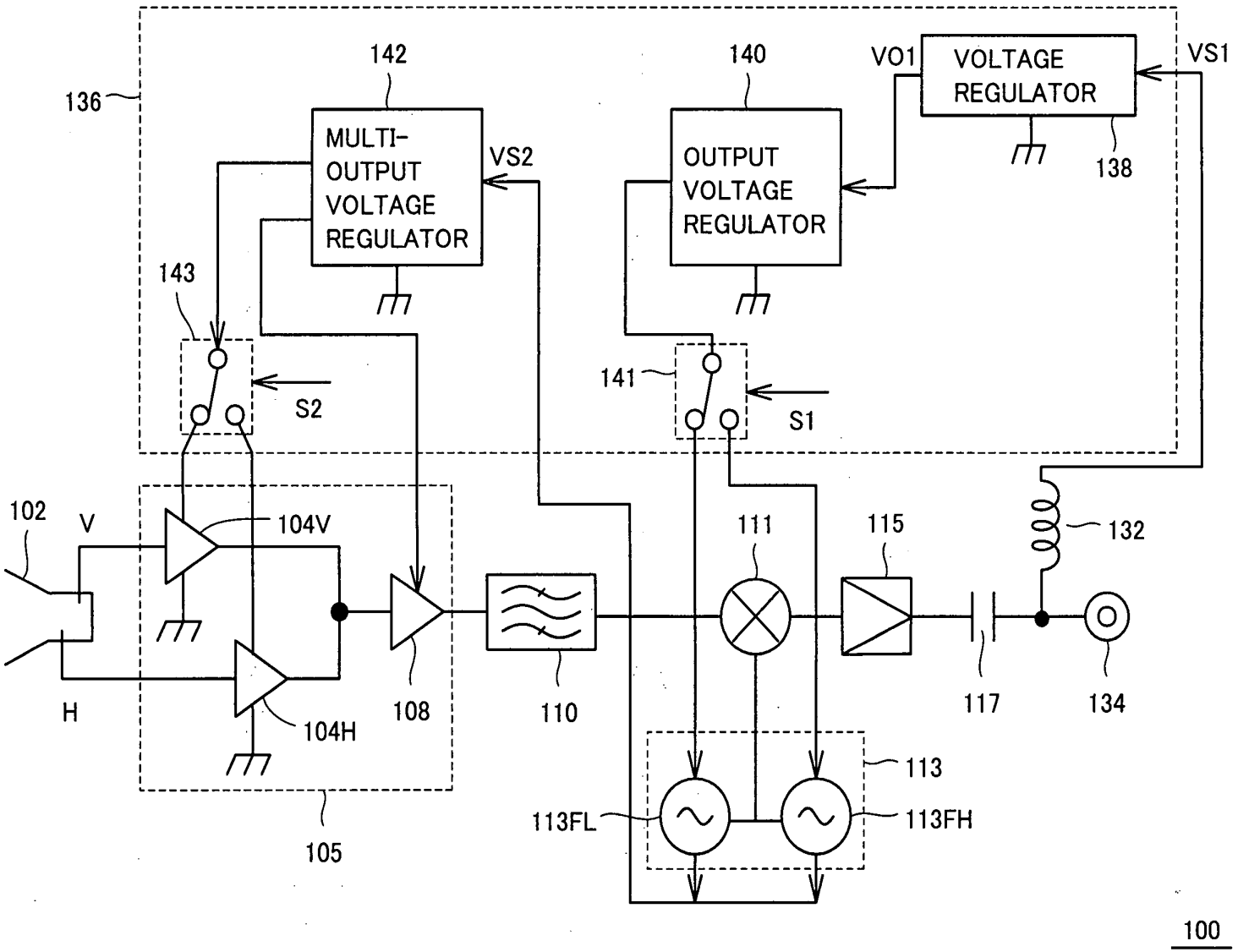

136
142
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VS2
140
OUTPUT
VOLTAGE
REGULATOR
VO1
VOLTAGE
REGULATOR
VS1
138
143
S2
141
S1
102
V
104V
H
104H
108
110
111
115
132
117
134
105
113
113FL
113FH
100

FIG.4

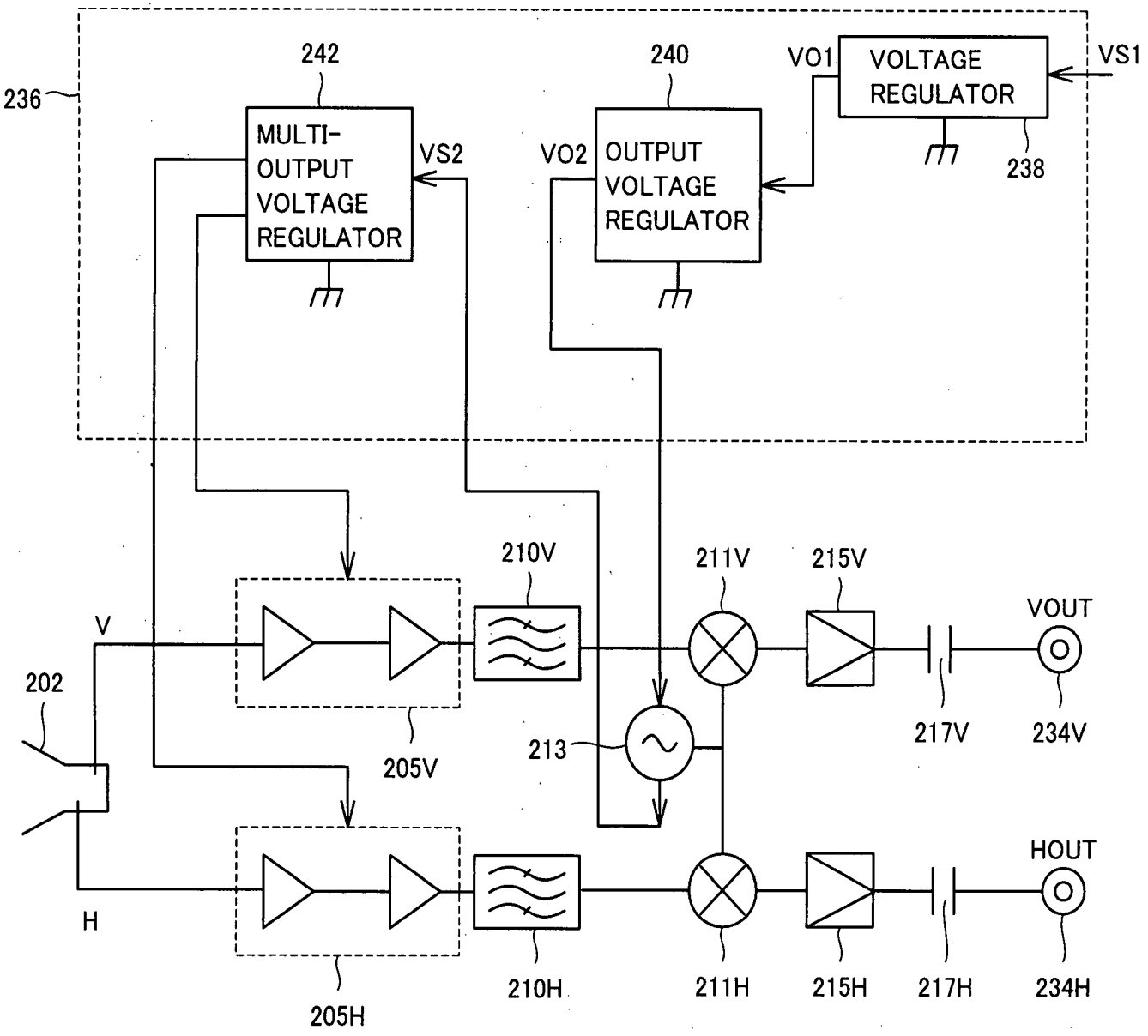

236
242
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VS2
240
VO2
OUTPUT
VOLTAGE
REGULATOR
VO1
VOLTAGE
REGULATOR
VS1
238
210V
211V
215V
VOUT
V
202
205V
213
217V
234V
H
205H
210H
211H
215H
217H
234H
HOUT
200

FIG.5

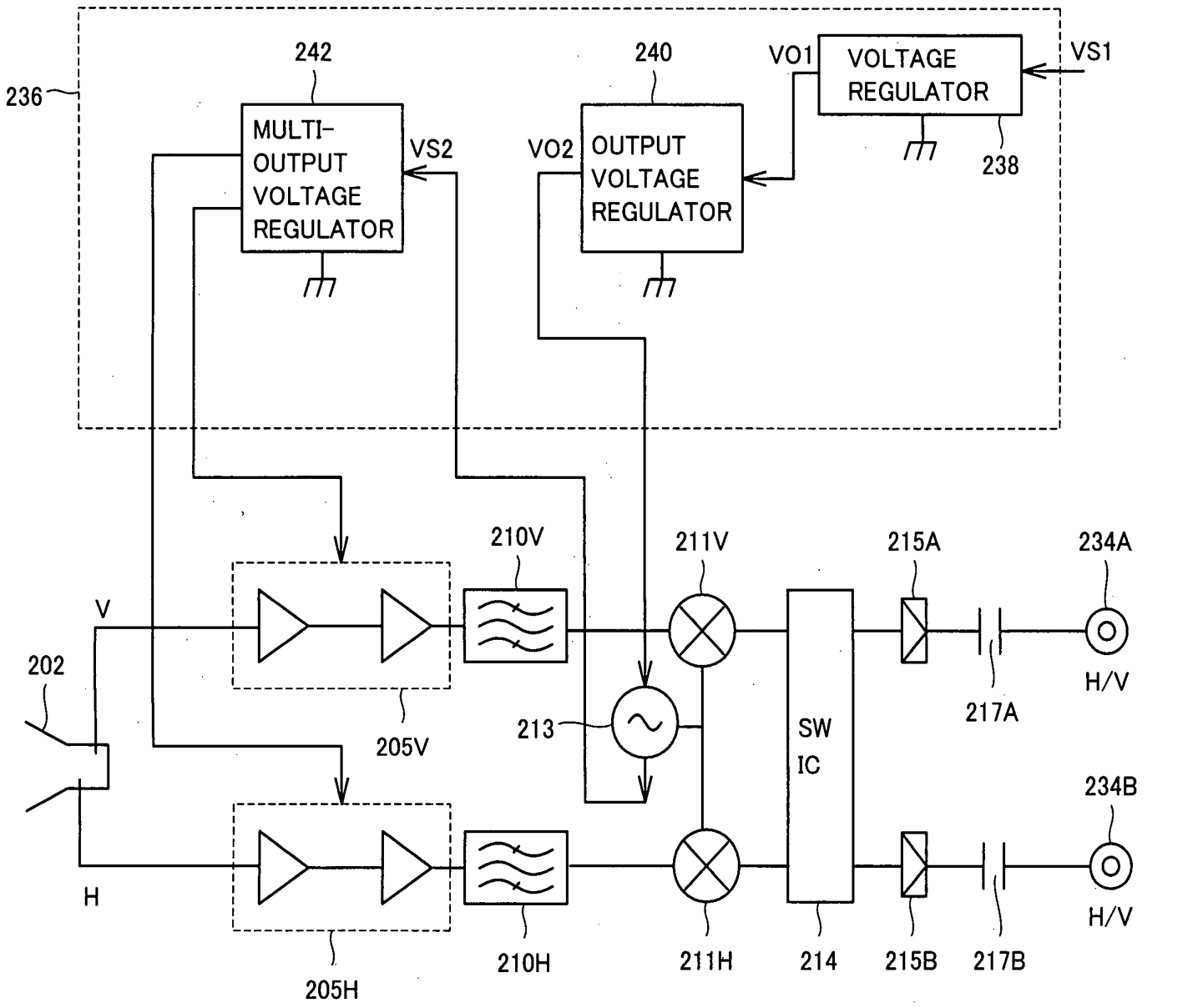

236
242
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VS2
240
VO2
OUTPUT
VOLTAGE
REGULATOR
VO1
VOLTAGE
REGULATOR
VS1
238
210V
211V
215A
234A
V
202
205V
213
SW
IC
H/V
217A
234B
H
205H
210H
211H
214
215B
217B
H/V
200A

FIG.6

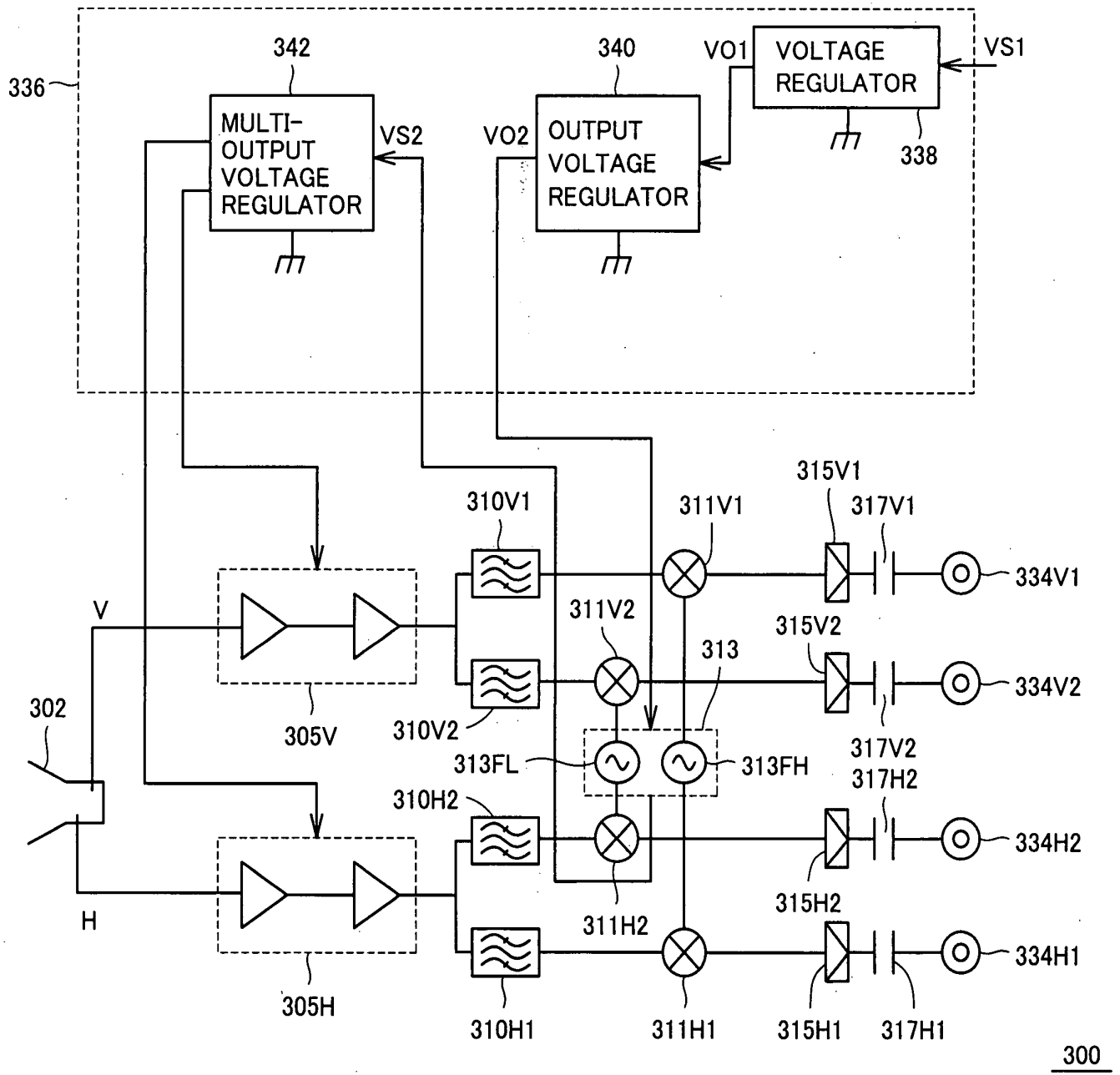

336
342
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VS2
340
VO2
OUTPUT
VOLTAGE
REGULATOR
VO1
VOLTAGE
REGULATOR
VS1
338
315V1
310V1
311V1
317V1
334V1
V
311V2
315V2
313
334V2
302
305V
310V2
313FL
313FH
317V2
317H2
310H2
334H2
315H2
311H2
H
334H1
305H
310H1
311H1
315H1
317H1
300

FIG.7

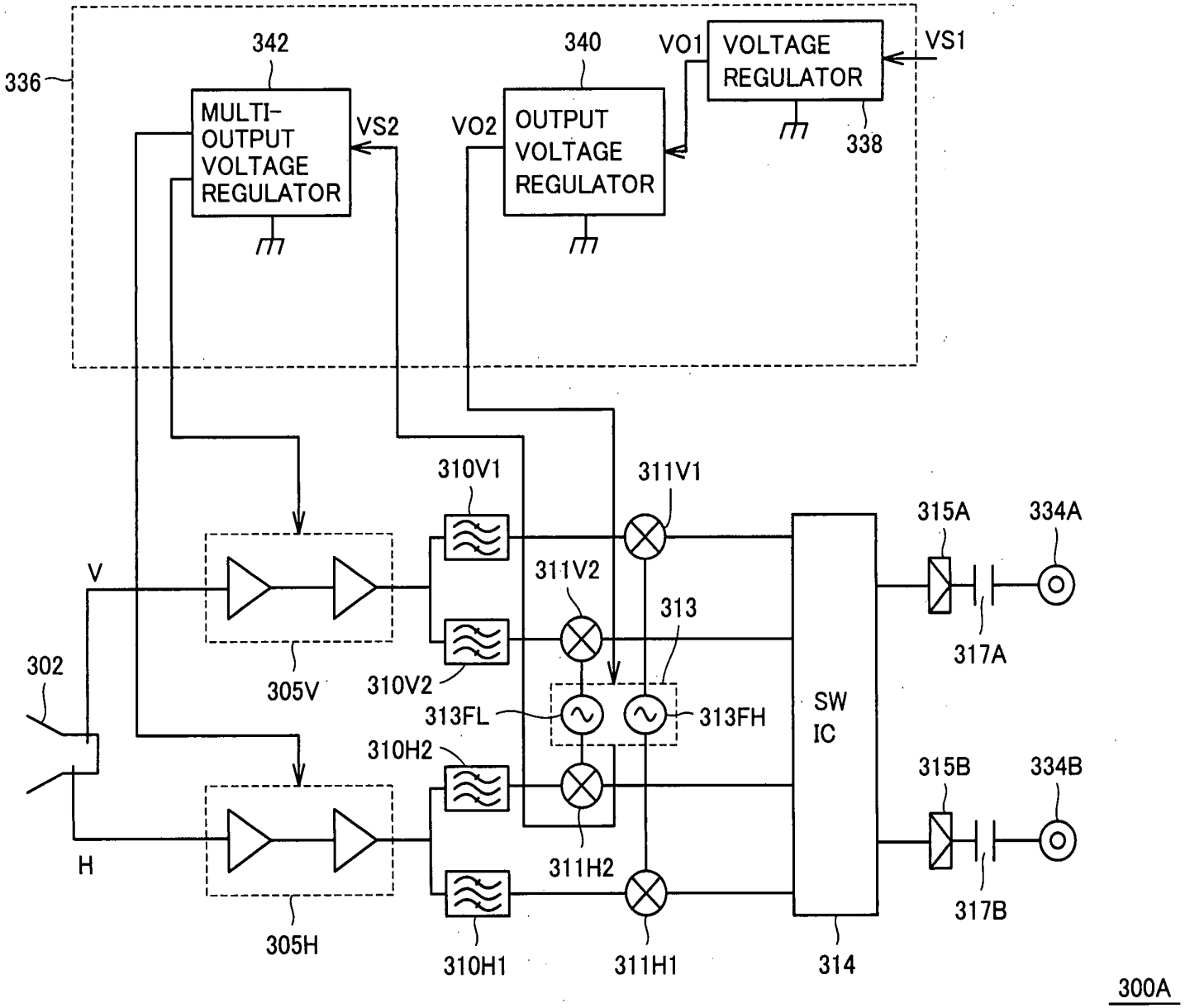

336
342
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VS2
340
VO2
OUTPUT
VOLTAGE
REGULATOR
VO1
VOLTAGE
REGULATOR
VS1
338
310V1
311V1
315A
334A
V
311V2
313
302
305V
310V2
313FL
313FH
SW
IC
317A
310H2
315B
334B
H
311H2
305H
310H1
311H1
314
317B
300A

FIG.8

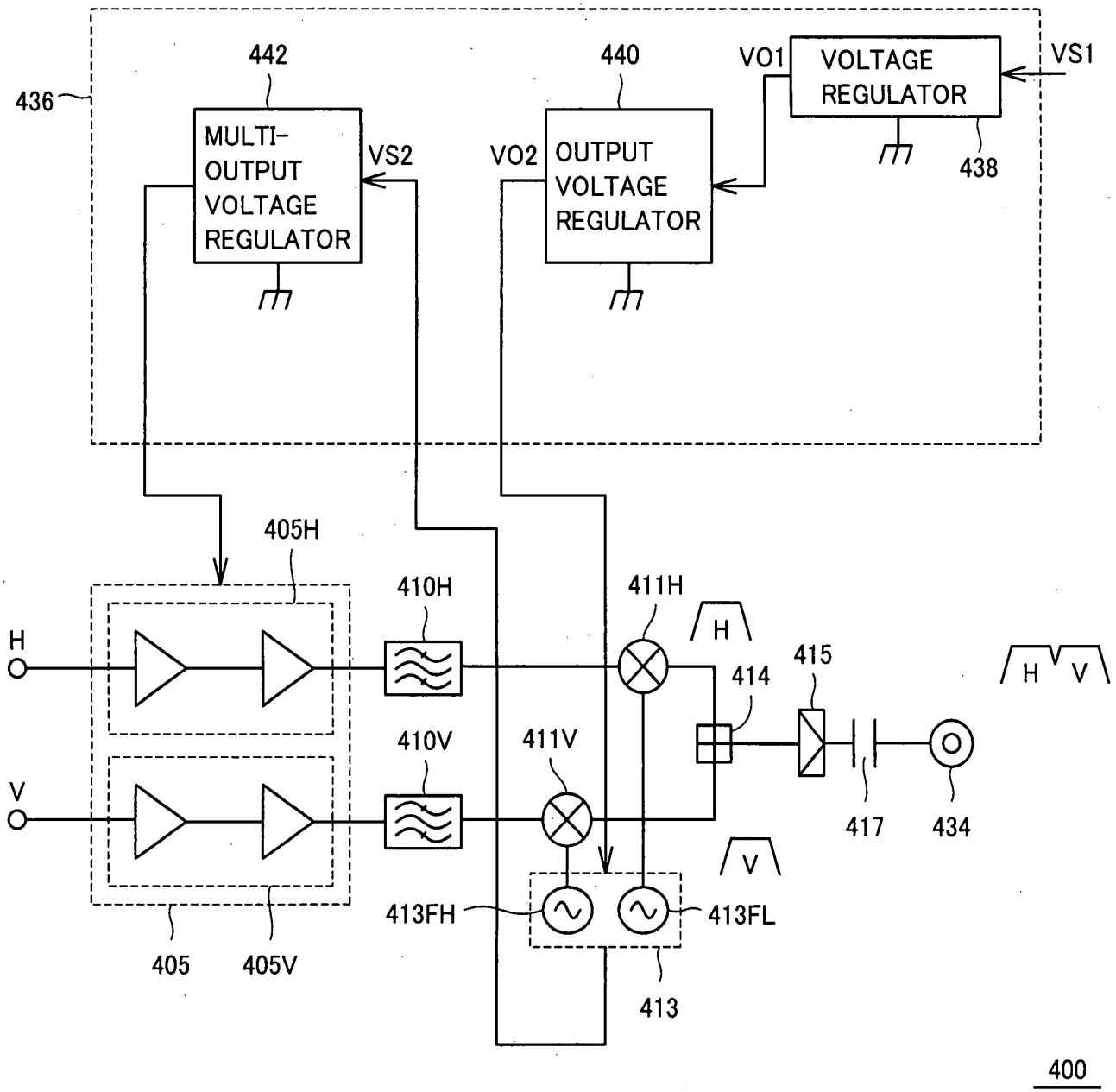
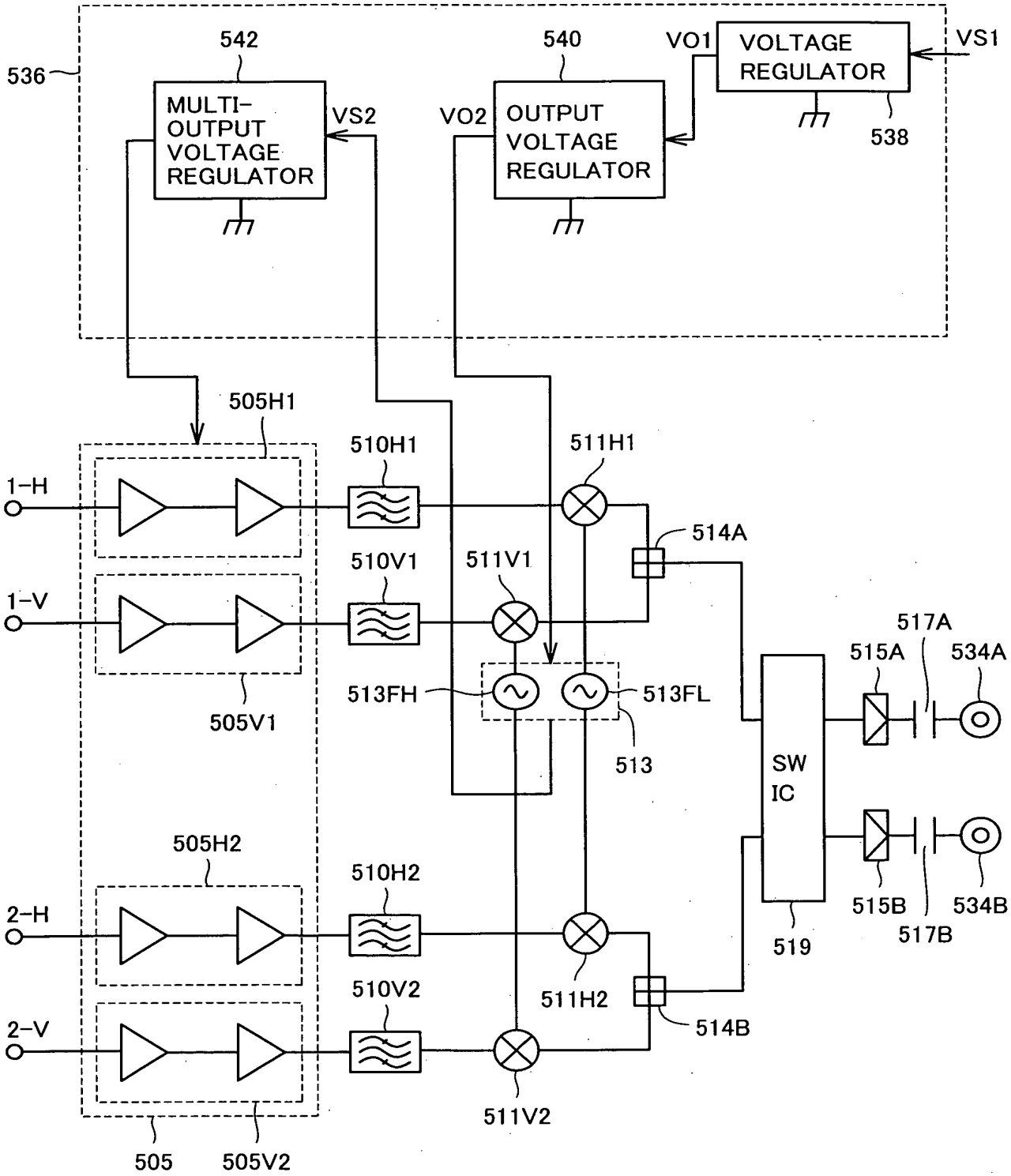

436
442
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VS2
440
VO2
OUTPUT
VOLTAGE
REGULATOR
VO1
VOLTAGE
REGULATOR
VS1
438
405H
410H
411H
H
415
414
H
V
410V
411V
V
417
434
V
413FH
413FL
405
405V
413
400

FIG.9


536
542
MULTI-OUTPUT VOLTAGE REGULATOR
VS2
540
VO2
OUTPUT VOLTAGE REGULATOR
VO1
VOLTAGE REGULATOR
VS1
538
505H1
510H1
511H1
1-H
514A
510V1
511V1
1-V
517A
515A
534A
513FH
513FL
505V1
513
SW IC
505H2
510H2
2-H
515B
534B
517B
519
511H2
510V2
2-V
514B
511V2
505
505V2

500

FIG.10

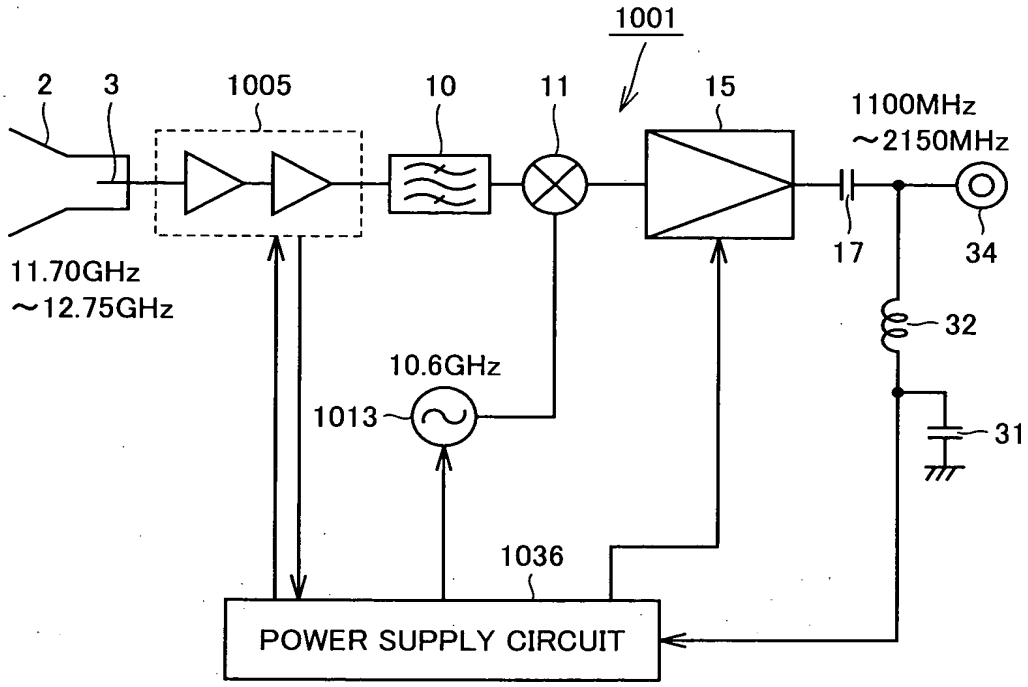

1001
2
3
1005
10
11
15
1100MHz
~2150MHz
11.70GHz
~12.75GHz
17
34
32
10.6GHz
1013
31
1036
POWER SUPPLY CIRCUIT

FIG.11

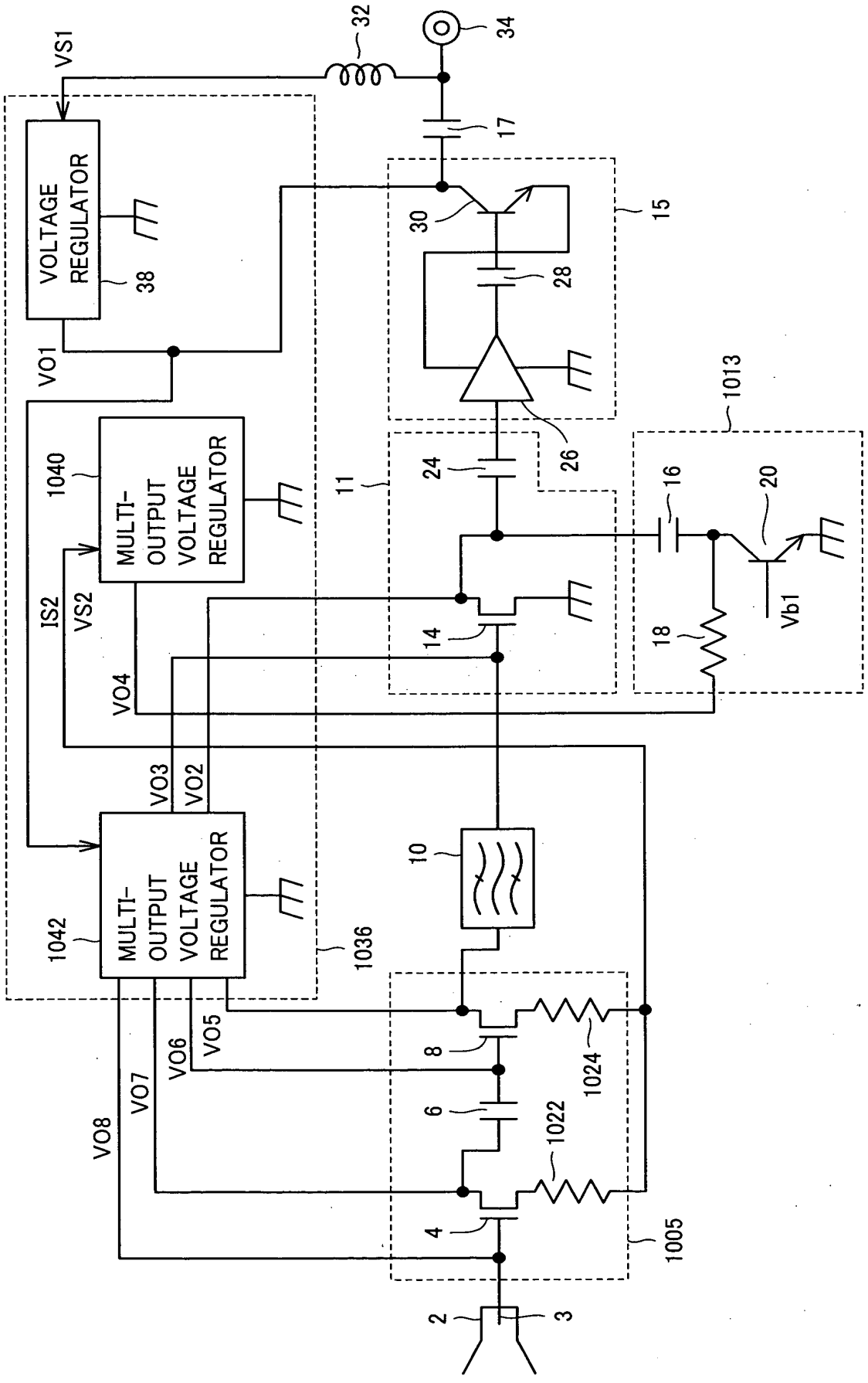

1001
VS1
32
34
17
VOLTAGE REGULATOR
38
VO1
30
15
28
1013
1040
MULTI-OUTPUT VOLTAGE REGULATOR
IS2
VS2
11
24
26
16
20
Vb1
18
14
VO4
VO3
VO2
1042
MULTI-OUTPUT VOLTAGE REGULATOR
10
1036
VO5
VO6
VO7
VO8
8
6
1024
1022
4
1005
2
3

FIG.12

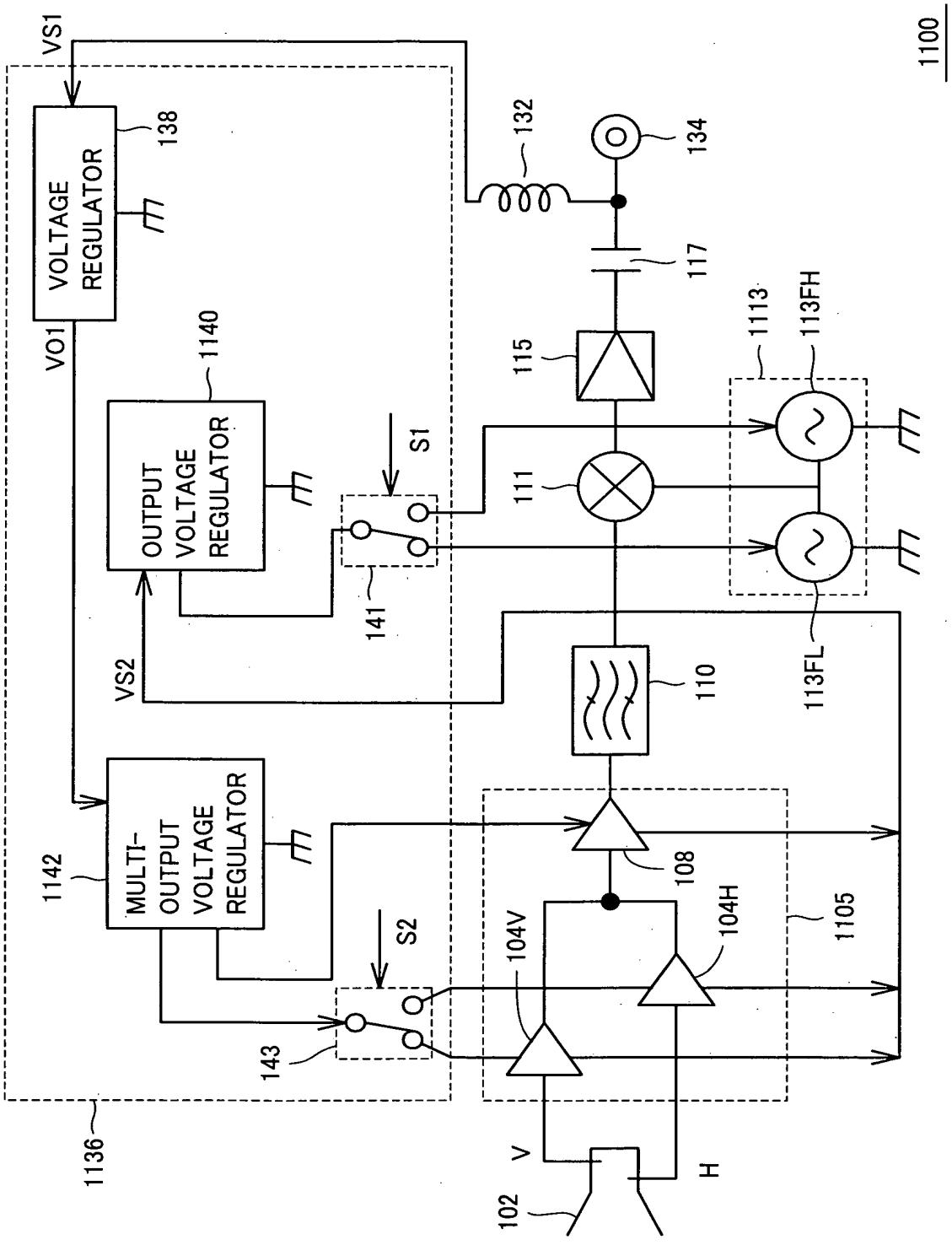

1100
VS1
VOLTAGE REGULATOR
138
VO1
1140
OUTPUT VOLTAGE REGULATOR
S1
141
VS2
1142
MULTI-OUTPUT VOLTAGE REGULATOR
S2
143
1136
132
134
117
115
111
1113
113FH
113FL
110
108
104V
104H
1105
V
H
102

FIG.13

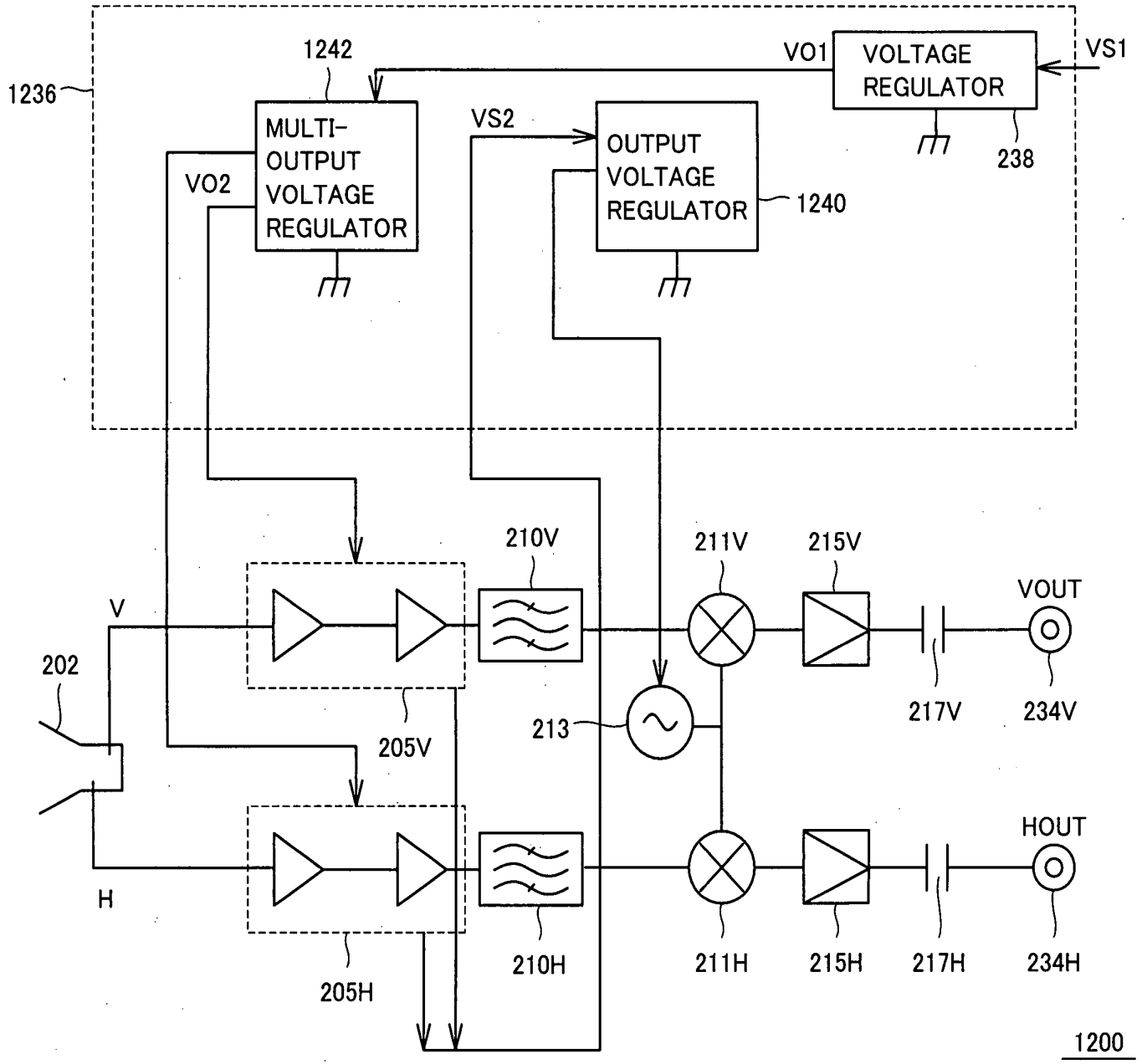

1236
1242
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VO2
VO1
VOLTAGE
REGULATOR
VS1
238
VS2
OUTPUT
VOLTAGE
REGULATOR
1240
210V
211V
215V
VOUT
V
202
205V
213
217V
234V
H
205H
210H
211H
215H
217H
234H
1200

FIG.14

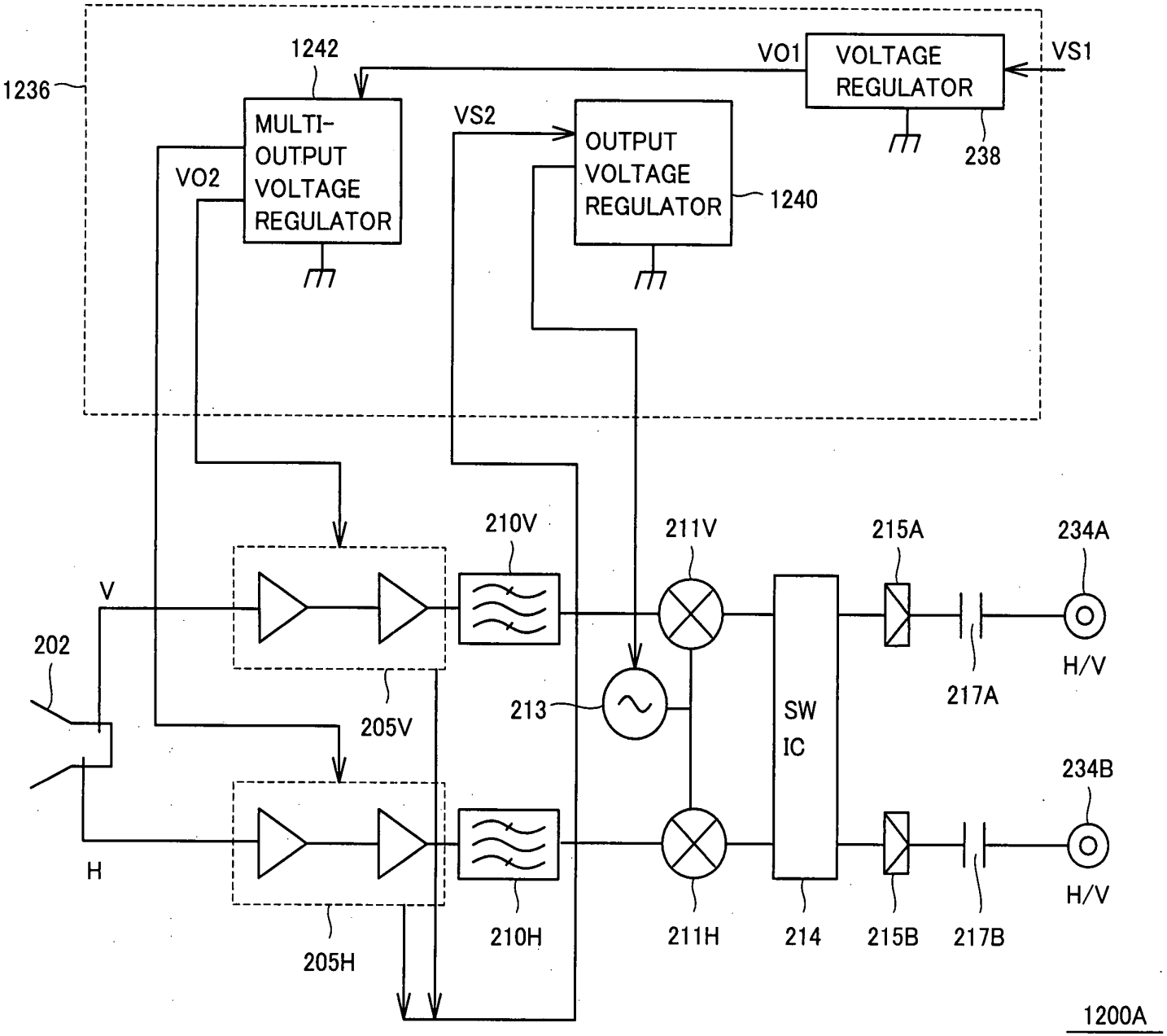

1236
1242
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VO2
VO1
VOLTAGE
REGULATOR
VS1
238
VS2
OUTPUT
VOLTAGE
REGULATOR
1240
210V
211V
215A
234A
V
202
205V
213
SW
IC
H/V
217A
234B
H
205H
210H
211H
214
215B
217B
H/V
1200A

FIG.15

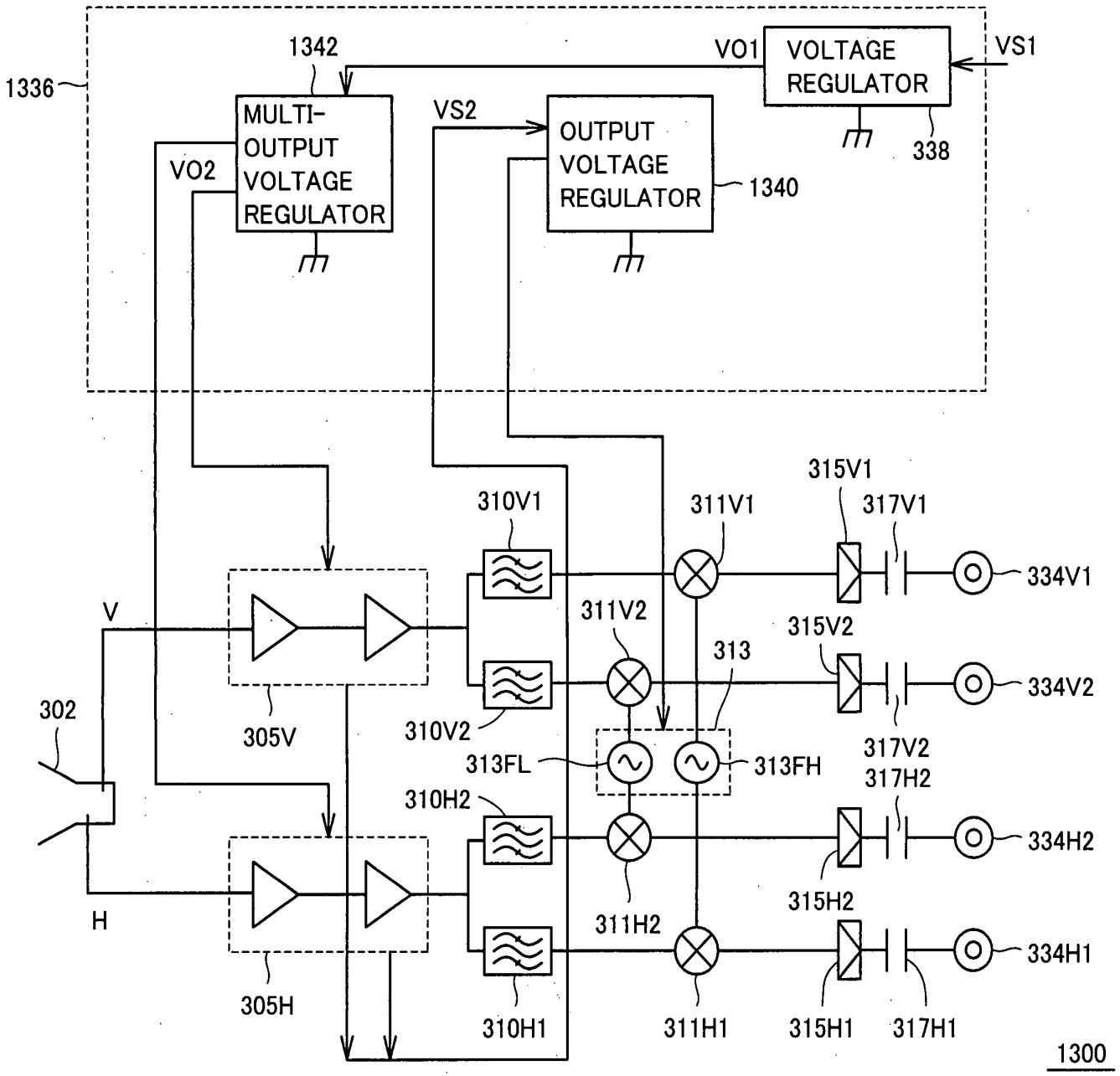

1336
1342
MULTI-
OUTPUT
VOLTAGE
REGULATOR
VO2
VO1
VOLTAGE
REGULATOR
VS1
338
VS2
OUTPUT
VOLTAGE
REGULATOR
1340
315V1
310V1
311V1
317V1
334V1
V
311V2
315V2
313
334V2
302
305V
310V2
313FL
313FH
317V2
317H2
310H2
334H2
315H2
311H2
H
334H1
305H
310H1
311H1
315H1
317H1
1300

FIG.16

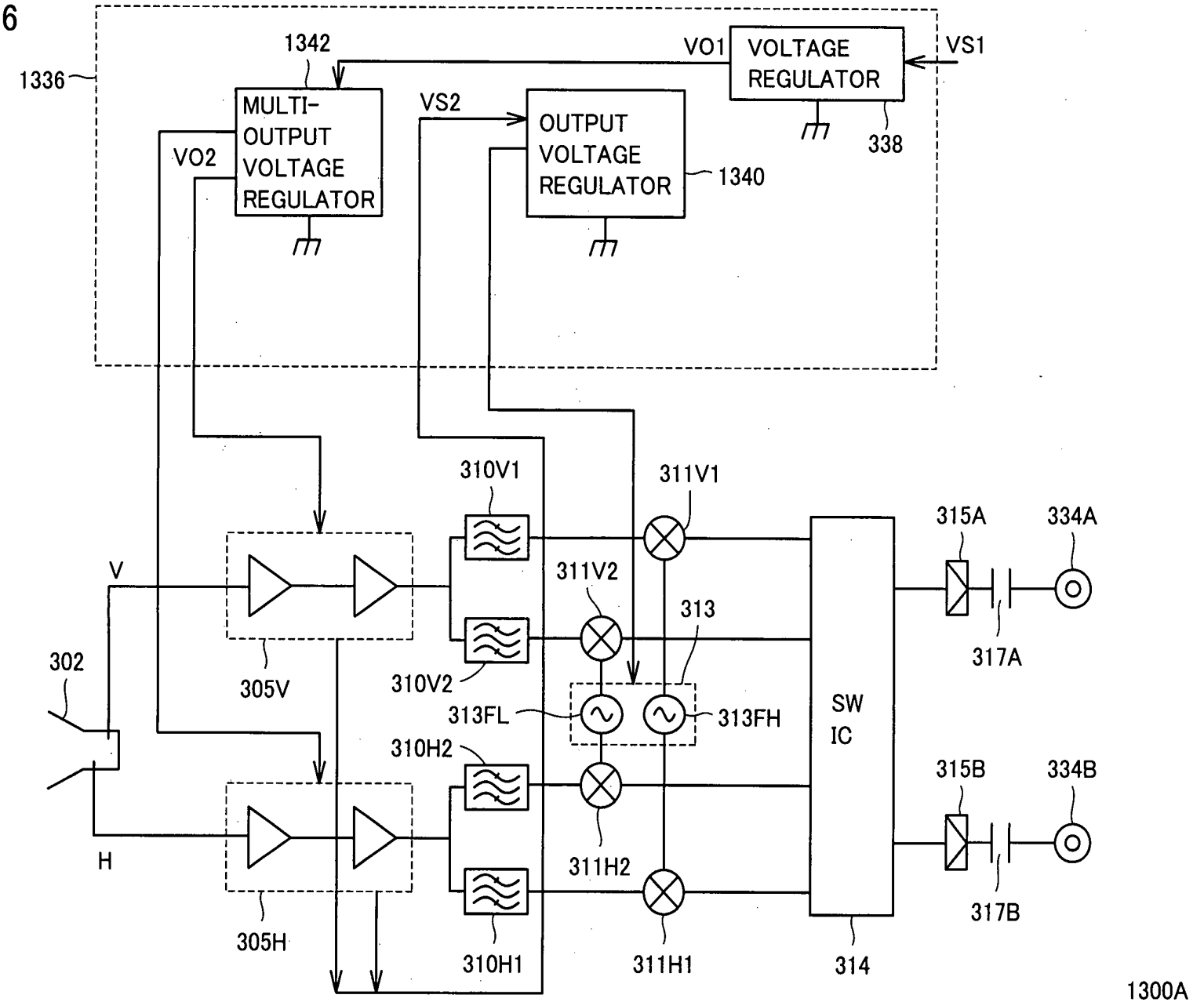

1336
1342
VO1
VOLTAGE REGULATOR
VS1
338
MULTI-OUTPUT VOLTAGE REGULATOR
VO2
VS2
OUTPUT VOLTAGE REGULATOR
1340
310V1
311V1
315A
334A
V
311V2
313
317A
302
305V
310V2
313FL
313FH
SW IC
310H2
315B
334B
H
311H2
317B
305H
310H1
311H1
314
1300A

FIG.17

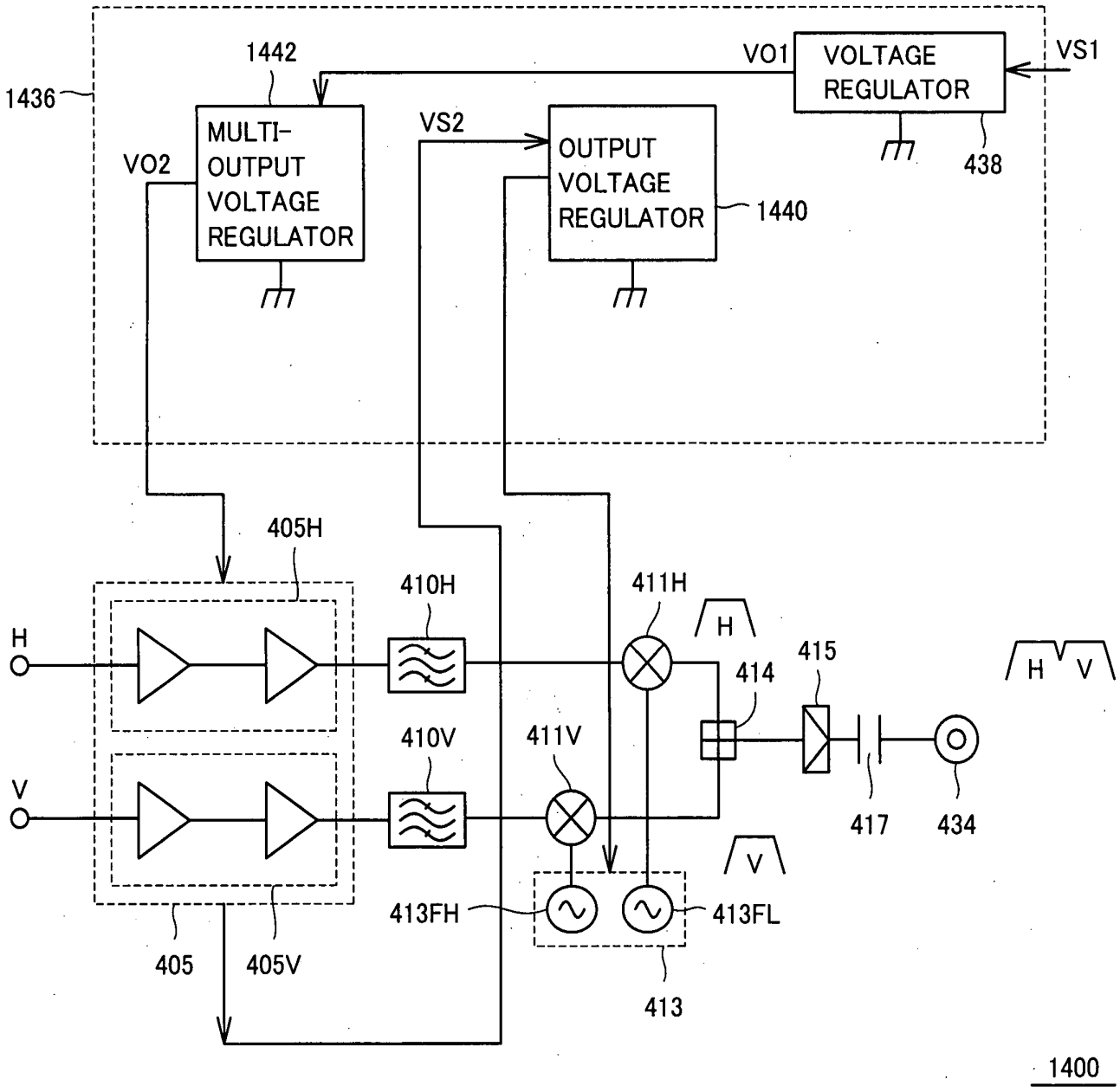

1442
1436
VO1
VOLTAGE REGULATOR
VS1
438
MULTI-OUTPUT VOLTAGE REGULATOR
VO2
VS2
OUTPUT VOLTAGE REGULATOR
1440
405H
410H
411H
H
415
414
410V
411V
V
417
434
413FH
413FL
405
405V
413
1400

FIG.18

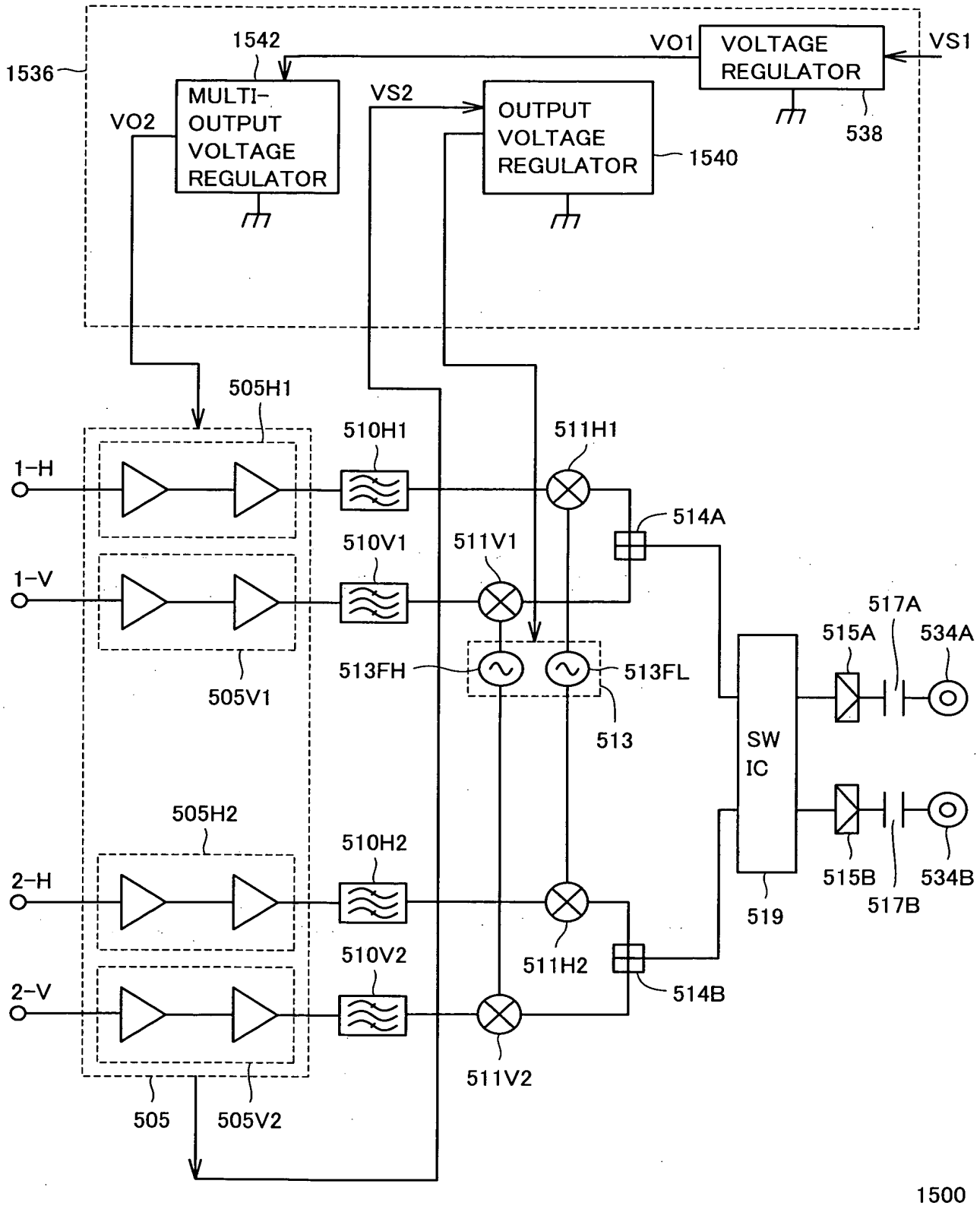

1536
1542
VO1
VOLTAGE REGULATOR
VS1
538
MULTI-OUTPUT VOLTAGE REGULATOR
VO2
VS2
OUTPUT VOLTAGE REGULATOR
1540
505H1
510H1
511H1
1-H
514A
510V1
511V1
1-V
517A
515A
534A
513FH
513FL
505V1
513
SW IC
505H2
510H2
2-H
515B
534B
517B
519
510V2
511H2
2-V
514B
511V2
505
505V2
1500

FIG.19 PRIOR ART

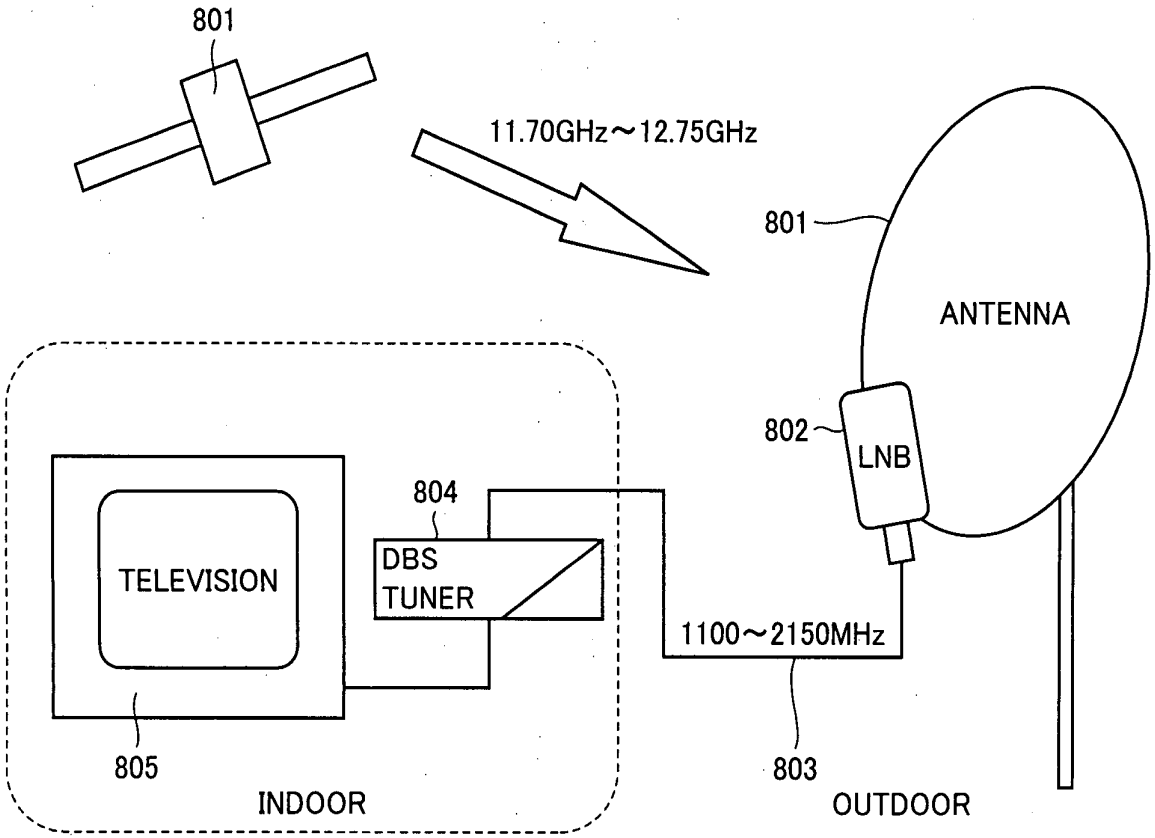


FIG.20 PRIOR ART

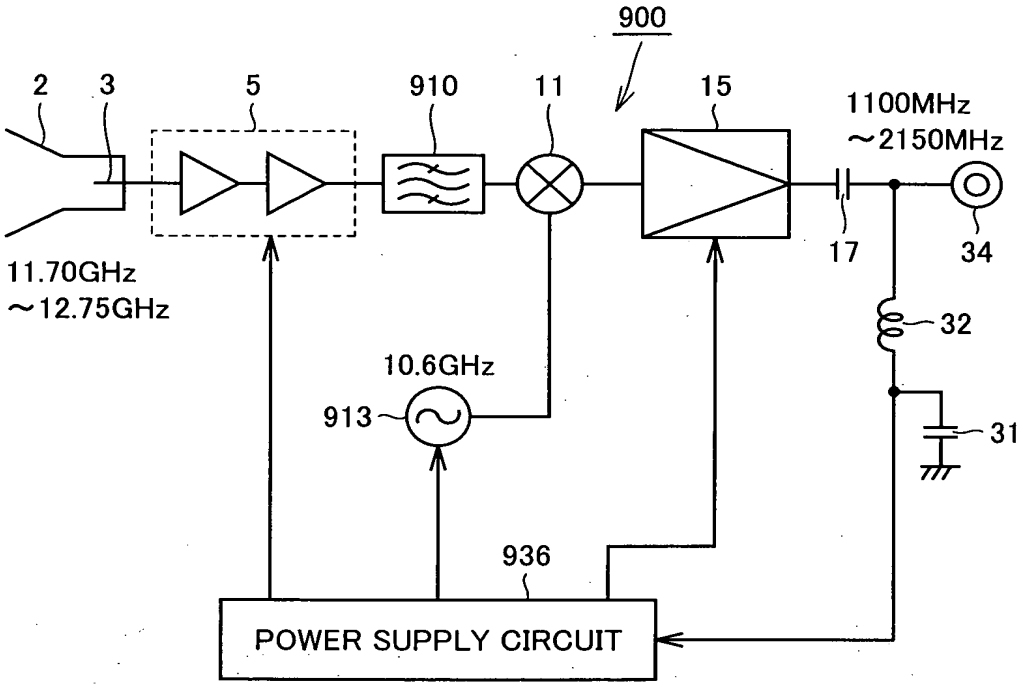


FIG.21 PRIOR ART